STATE OF ILLINOIS

ILLINOIS COMMERCE COMMISSION

| ILLINOIS INDEPENDENT TELEPHONE ASSOCIATION |) | |
|---|--------------------------------|---------|
| Petition for initiation of an investigation of the necessity of and the establishment of a |) Docket No. 00-0233 | In CO |
| Universal Service Support Fund in accordance with §13-301(d) of the Public Utilities Act |)) | S TO I |
| Illinois Commerce Commission On Its Own | ý) | FIL OIL |
| Investigation into the necessity of and, if appropriate, the establishment of a Universal Support Fund pursuant to Section 13-301(d) of the Public Utilities Act. |) Docket No. 00-0335)) | ÇE. |
| | | |

DIRECT TESTIMONY

OF

GORDON J. KRAUT, JR.

ON BEHALF OF

ALHAMBRA-GRANTFORK TELEPHONE COMPANY

April 20, 2001

OFFICIAL FILE

| allambra Grantfork 00-0233/6. Telephone Ca. | ?3 <u>5</u> |
|---|-------------|
| | |
| Data 6 19-01 Reporter CB | |

- 1 Q. Please state your name and business address.
- 2 A. My name is Gordon J. Kraut, Jr. and my business address is 3220 Pleasant Run,
- 3 Springfield, Illinois 62707.
- 4 Q. By whom are you employed?
- 5 A. I am the consulting manager with GVNW Consulting, Inc. 's
- 6 principal business is telecommunications consulting for small independent telephone
- 7 companies and we have provided consulting services to Alhambra-Grantfork
- 8 Telephone Company for several years.
- 9 Q. Please describe your educational background.
- 10 A. I graduated from Edgewood College in May of 1988 with a Bachelor of Science
- Degree in business with an emphasis in accounting. I earned a master's in business
- 12 administration from Edgewood College in 1991.
- 13 Q. Please provide your background in telecommunications.
- 14 A. In 1988 I began my telecommunications career with TDS, Inc. as an internal auditor.
- In 1993 I was promoted to Senior Internal Auditor and in 1994 I was promoted to
- Associate Manager of Accounting in TDS Telcom. Early in 1996 I was promoted to
- the position of Manager of Revenue and Earnings in the Government and Regulatory
- Affairs Group. I joined GVNW, Inc. on October 20, 1997 and in my current position
- I consult with independent telephone companies and provide financial analysis and
- 20 management advice in the areas of concern to these companies.
- 21 Q. On what company's behalf is this testimony submitted?
- 22 A. This testimony is submitted on behalf of Alhambra-Grantfork Telephone Company.

- 1 Q. Have you prepared the Illinois Universal Service funding calculations for
- 2 Alhambra-Grantfork Telephone Company using the format agreed to by the
- 3 Staff and the IITA?
- 4 A. Yes, I have. It is attached as Alhambra-Grantfork Telephone Company Exhibit 1,
- 5 Schedule 1.01 and consists of 3 pages.
- 6 Q. Did you complete Alhambra-Grantfork Telephone Company Exhibit 1, Schedule
- 7 1.01 in accordance with the instructions and based on Alhambra-Grantfork
- 8 Telephone Company's ICC Form 23A or other information filed with the
- 9 Commission for the year ended December 31, 2000?
- 10 A. Yes. Alhambra-Grantfork Telephone Company Exhibit 1, Schedule 1.01, was based
- on the ICC Form 23A filed with the Commission.
- 12 Q. Were these entries on Exhibit 1, Schedule 1.01 taken from books and records
- kept by the company in the normal course of its business and recorded at the
- 14 time of the event?
- 15 A. Yes.
- 16 Q. Is Alhambra-Grantfork Telephone Company Exhibit 1, Schedule 1.01 true and
- 17 correct to the best of your knowledge, information and belief?
- 18 A. Yes it is.
- 19 Q. Based on the responses and content of Alhambra-Grantfork Telephone
- 20 Company Exhibit 1, Schedule 1.01, has Alhambra-Grantfork Telephone
- 21 Company provided Staff with certain additional documents?

- 1 A. Yes. I have provided the Staff with a copy of Alhambra-Grantfork Telephone
- 2 Company's December 31, 2000, Trial Balance which we have requested be treated as
- 3 confidential and proprietary.
- 4 Q. Have you provided the requisite information from Alhambra-Grantfork
- Telephone Company Exhibit 1, Schedule 1.01 to Mr. Schoonmaker for his use in
- 6 compiling the composite results for all companies seeking funding in connection
- 7 with his testimony?
- 8 A. Yes, I have.
- 9 Q. Does page 1 of Alhambra-Grantfork Telephone Company Exhibit 1, Schedule
- 1.01 reflect any adjustments being proposed by Alhambra-Grantfork Telephone
- 11 Company?
- 12 A. Yes. I have made two (2) standard adjustments on Alhambra-Grantfork Telephone
- 13 Company Exhibit 1. These adjustments are summarized in Schedule 1.02.
- The first adjustment on line 1 is standard adjustment #4 as listed in Robert C.
- Schoonmaker's testimony to include two significant plant investment changes. These
- additions result in an increase to rate base of \$226,879. This represents two
- construction projects that will be in place in 2001. The first project is new cable used
- to serve the Grantfork exchange for \$157,729. The second is a major switch upgrade
- to offer toll management features and voice announcement features.
- 20 Q. Please explain the two construction projects.
- 21 A. The Grantfork Exchange South Cable project which started on April 4, 2001, involves
- 22 the placement of underground cable. The company has already purchased cable and

supplies totaling \$74,936.45 and has a manhole on order from Hartford Concrete 1 2 Products in the amount of \$3,470.50. Splicing for this project is estimated at \$6,000 3 and engineering expenses are estimated at \$10,000. Communications Engineers, Inc. in Springfield, Illinois is the engineer that is presently working on this project. 4 5 Is there a contractor who has been hired to perform this job? Q. 6 A. Yes. Utility Contracting Company entered into a contract with the phone company 7 for this project on February 28, 2001. Let me hand you Alhambra-Grantfork Telephone Company Exhibit 1, Schedule 8 Q. 9 1.03 and ask you to identify it. This is a true and accurate copy of the contract for the buried cable project. It 10 A. contains numerous specifications for the underground wiring project and as shown on 11 12 the contract it is anticipated that the expense will be \$69,322. The contract calls for a 13 maximum amount of \$70,000. 14 You made reference to a major switch upgrade offering toll management Q. 15 features and voice announcement features. Can you explain? 16 Yes. The company has entered into an agreement with Innovative Systems, L.L.C.in Α. 17 to provide various voice mail, announcement capability and toll control upgrades. 18 The cost will be \$50,235. The company will need additional software and a DS-1 19 module to interface with its switch for these features. The company will purchase that equipment at an anticipated cost of approximately \$16,415. 20 Did you make any other adjustments to Alhambra-Grantfork Telephone 21 Q.

Company, Exhibit 1, Schedule 1.01?

22

| 1 | A. | Yes. The second adjustment is on Alhambra-Grantfork Telephone Company Exhibit |
|---|----|---|
| 2 | | 1, Schedule 1.01, line 14 and was made is for a true up in 1999 Carrier Common Line |
| 3 | | (CCL) Revenues that Alhambra-Grantfork Telephone Company recorded in 2000 |
| 4 | | financial statements. This is listed as standard adjustment #3 in Robert C. |
| 5 | | Schoonmaker's testimony for out-of-period adjustments. Alhambra-Grantfork |
| 6 | | Telephone Company received \$112,620 in CCL funding in 1999 based on projections |
| 7 | | filed with the National Exchange Carrier Association in 1999. Alhambra-Grantfork's |
| 8 | | 1999 cost study, completed in July 2000, showed a CCL Revenue Requirement of |
| 9 | | 119,986. This results in a \$7,366 true up of 1999 CCL Revenue that was booked in |

11 Q. Based on the format agreed to by the Staff and the HTA, what was Alhambra-

2000 revenue. This adjustment removes the \$7,366 of 1999 revenue booked in 2000.

- Grantfork Telephone Company's rate of return for the calendar year 2000?
- 13 A. 10.24%.

10

- Q. Does Alhambra-Grantfork Telephone Company concur with Mr.

 Schoonmaker's recommendation that its affordable rate be established at the

 current weighted average rate for residential and business service?
- 17 A. Yes.
- Q. Does that conclude your direct testimony on behalf of Alhambra-Grantfork
 Telephone Company?
- 20 A. Yes it does.

Alhambra-Grantfork Telephone Company Illinois Universal Service Funding Calculation Based upon ICC Form 23A Report Data for December 31, 2000

| Line # | <u>Description</u> | <u>Source</u> | | <u>Amount</u> | <u>Aq</u> j | ustment | | Adjusted Amount |
|--------|--|-----------------------------------|----|---------------|-------------|----------|----|--------------------|
| 1 | Net Regulated Plant | Form 23A, P 8, Net Plant | \$ | 1,116,208 | \$ | 226,879 | \$ | 1,343,087 |
| 2 | Materials and Supplies Inventory | Page 2, 13-Month Average | | 26,942 | | | | 26,942 |
| 3 | Customer Deposits | Form 23A, P 8, 4040 | | 6,677 | | - | | 6,677 |
| 4 | ADIT - Regulated Plant | Form 23A, P 8, 4100 + 4340 | | 96,878 | | - | | 96,878 |
| 5 | Rate Base before Working Capital | line 1 + line 2 - line 3 - line 4 | | | | | | 1,266,474 |
| රි | Working Capital Requirement | | | | | | | |
| 7 | Total Operating Expenses | Form 23A, P 14, Total | | 892,204 | | - | | 892,204 |
| 8 | Less: Depreciation Expense | Form 23A, P 13, 6560 | | 214,165 | | | | 214,165 |
| 9 | Total WC Operating Expense | line 7 - line 8 | | 678,039 | | | _ | 678,039 |
| 10 | WC OE Requirement | line 9 * 45 / 360 | | | | | | 84,755 |
| 11 | Commission-Ordered Cash Balance Requiren | nent | _ | | | <u>-</u> | | |
| 12 | Total Working Capital Requirement | line 10 + line 11 | | | | | | 84,755 |
| 13 | Total Rate Base | line 5 + line 12 | | | | | | 1,351,229 |
| 14 | Total Operating Revenues | Form 23A, P 11, Total | | 1,451,312 | | (7,366) | | 1,443,946 |
| 15 | Less: Illinois High Cost Fund | · | | 311,199 | | | | 311,199 |
| 16 | Net Operating Revenues | line 14 - line 15 | | 1,140,113 | | (7,366) | | 1,132,747 |
| 17 | Total Operating Expenses | Form 23A, P 14, Total | | 892,204 | | - | | 892,204 |
| 18 | Other Operating Inc and Exp - Net | Form 23A, P 15, 7100 | | - | | - | | • |
| 19 | Other Operating Taxes | Form 23A, P 15, 7240 | | 14,689 | | | | 14,689 |
| 20 | Net Op Inc before Income Taxes | line 16 - lines 17, 18, & 19 | | 233,220 | | (7,366) | | 225,854 |
| 21 | Income Tax Expense | line 34 | | | | | | 87,493 |
| 22 | Net Operating Income | line 20 - line 21 | | | | | _ | 138,361 |
| 23 | Return on Rate Base | line 22 / line 13 | | | | | | 10.24% |
| 24 | After-tax Cost of Capital | | | | | | | <u>11.21</u> % |
| 25 | Target Net Operating Income | line 24 * line 13 | | | | | | 151,473 |
| 26 | Adj to Achieve Target Return on RB | line 25 - line 22 | | | | | | 13,112 |
| 27 | Gross Revenue Conversion Factor | line 35 | | | | | | 1.6324 |
| 28 | ROR Funding Deficiency Including Inc Taxes | line 26 * line 27 | | | | | _ | 21,404 |
| 29 | Calculation of Income Tax Expense | | | | | | | |
| 30 | Net Op Inc before Inc Taxes | line 20 | | | | | | 225,854 |
| 31 | Illinois Inc & Rep Tax Expense | line 30 * 7.18% | | | | | | 16,216 |
| 32 | Net Op Inc before Fed Inc Tax | line 30 - line 31 | | | | | | 209,638 |
| 33 | Federal Income Tax Expense | line 32 * 34.00% | | | | | _ | 71,277 |
| 34 | Total Imputed Income Tax Expense | line 31 + line 33 | | | | | _ | 87,493 |
| 35 | Gross Revenue Conversion Factor | 1 / ((10718) * (134)) | | | | | | 1.6324 |

Alhambra-Grantfork Telephone Company Illinois Universal Service Funding Calculation Based upon ICC Form 23A Report Data for December 31, 2000 Material & Supplies Worksheet and Other Information

| Line# | | |
|-------|--------------------|---|
| 1 | December-99 | \$27,301 |
| 2 | January-00 | \$27,301 |
| 3 | February-00 | \$27.301 |
| 4 | March-00 | \$27,301 |
| 5 | April-00 | \$27,301 |
| 6 | May-00 | \$27,301 |
| 7 | June-00 | \$22,450 |
| 8 | July-00 | \$22,450 |
| 9 | August-00 | \$22,450 |
| 10 | September-00 | \$30,596 |
| 11 | October-00 | \$30,596 |
| 12 | November-00 | \$30,596 |
| 13 | December-00 | \$27,301 |
| 14 | 13 Month Average | \$26,942 |
| | Sale/Lease Back Ar | rangement |
| | X | The company does not have any sale(s)/lease back arrangement. The company does have sale(s)/lease back arrangement and has provided additional information to staff. |
| | Lease Agreement w | ith Affiliates |
| | X | The company does not have any lease agreements with affiliates. The company does have lease agreements with affiliates and has provided additional information to staff. |
| | Trial Balances | The Company has provided a copy of its 12/31/2000 trial balance in |

support of the attached exhibits.

Alhambra-Grantfork Telephone Company Illinois Universal Service Funding Calculation Based upon ICC Form 23A Report Data for December 31, 2000 Operating Revenues By Category

| Line# | | Source | <u>Amount</u> |
|-------|-------------------------------------|-----------------------------|-----------------|
| | | Form 23A, P 10, Total Local | |
| 1 | Local Revenues | Network Service Revenues | \$ 277,914 |
| 2 | State Subscriber Line Charges | Trial Balance 12/31/00 | |
| 3 | State Access Revenues | Trial Balance 12/31/00 | \$ 263,759 |
| 4 | State High Cost Support | Exhibit X, Line 15 | \$ 314,143 |
| 5 | State Special Access Revenues | Trial Balance 12/31/00 | \$ 12,949 |
| 6 | Total State Access & Local Revenues | Sum (Ln 1 - 5) | \$ 868,765 |
| 7 | Federal Subscriber Lines Charges | Trial Balance 12/31/00 | \$ 54,861 |
| 8 | Federal Access Revenues | Trial Balance 12/31/00 | \$ 249,497 |
| 9 | Federal High Cost Support | Trial Balance 12/31/00 | \$ 184,923 |
| 10 | Federal Special Access Revenues | Trial Balance 12/31/00 | \$ - |
| 11 | Total Federal Access Revenues | Sum (Ln 7 - 10) | \$ 489,281 |
| 12 | Misc Revenues | Trial Balance 12/31/00 | \$ 93,266 |
| 13 | Total Operating Revenues | Ln 6 + Ln 11 + Ln 12 | \$ 1,451,312 |

Docket Nos. 00-0233 00-0335 (Consolidated) Alhambra-Grantfork Telephone Company Exhibit 1.0 Schedule 1.02

Alhambra-Grantfork Telephone Company Summary of Adjustments

Adjustment 3 Dr. Cr.

 1999 Projected CCL Revenue Req.
 112,620

 1999 Final CCL Revenue Req.
 119,986

 1999 True-up booked in 2000
 7,366

Out of Period Revenue Adjustments 7,366

Adjustment to record true-up in CCL revenues booked in 2000.

Adjustment 4

Rebuild of OSP & COE Investment 226,879

Exhibit 1
Schedule 1.03
a-Grantfork

Alhambra-Grantfork Telephone Company

Miscellaneous Construction Work and Maintenance Services Contract

Contract Form 773NRUS June 1998

Telephone Company: Alhambra-Grantfork Telephone Company
Telephone Company Designation: IL526
Contractor: Utility Contracting Company
Contract No.: 2003-01-G
Contract Date: January 24, 2001
Contract Amount: \$70,000.00

2

MISCELLANEOUS CONSTRUCTION WORK AND MAINTENANCE SERVICES CONTRACT

SECTION I

| • | 1110 (ms _ 24ut _ 42y 01 | January , 2001 between |
|--|---|--|
| Utility Contrac | ting Company | |
| Hereinafter called *Con | tractor"). (Contractors' Licer | nse No.) N/A |
| ssuance State | N/A | Expiration Date N/A |
| of,5000 Business 5 | 60 W | |
| | (Mailing Address) | |
| Jefferson City | ; Missouri | 65109 |
| (City) | (State) | (Zip) |
| | bra-Grantfork Telephone Co | ompany |
| (Hereinaft | er called "Owner"). | |
| | | |
| | | PROJECT |
| | | |
| Provide constru | ction for a new copper cable | to service Grantforks south exchange area. |
| Provide constru In addition, an | ction for a new copper cable | to service Grantforks south exchange area. |
| Provide constru In addition, an and this project | ction for a new copper cable entrance is to be provided in | to service Grantforks south exchange area. |
| Provide constru In addition, an and this project (Hereinafter called dicate if drawings, spe | ction for a new copper cable entrance is to be provided in will include a manhole with the "Project"). cifications, or other further of | to service Grantforks south exchange area. Ito the central office to facilitate the new cable a conduit placement. description is attached and made part of this agreem |
| Provide constru In addition, an and this project (Hereinafter called addicate if drawings, spe | ction for a new copper cable entrance is to be provided in will include a manhole with the "Project"). | to service Grantforks south exchange area. Ito the central office to facilitate the new cable a conduit placement. description is attached and made part of this agreem |
| Provide constru In addition, an and this project (Hereinafter called idicate if drawings, spe Check One) NO | ction for a new copper cable entrance is to be provided in will include a manhole with the "Project"). cifications, or other further of | to service Grantforks south exchange area. Ito the central office to facilitate the new cable in conduit placement. description is attached and made part of this agreemment A.) |
| Provide constru In addition, an and this project (Hereinafter called adicate if drawings, specheck One) NO Project is for: (Che | ction for a new copper cable entrance is to be provided in will include a manhole with the "Project"). ctifications, or other further of YES X (See Attach) | to service Grantforks south exchange area. Ito the central office to facilitate the new cable a conduit placement. description is attached and made part of this agreemment A.) Maintenance |
| In addition, an and this project (Hereinafter called indicate if drawings, specheck One) NO Project is for: (Che Evidence of insurar | ction for a new copper cable entrance is to be provided in will include a manhole with the "Project"). ctifications, or other further YES X (See Attachr ck One) Construction X nce is required (See Section) | to service Grantforks south exchange area. Ito the central office to facilitate the new cable a conduit placement. description is attached and made part of this agreemment A.) Maintenance |

| 6. | The method of payment for performance shall be: (Specify rate[s]) | | | |
|--|--|--|--|--|
| | Hourly basis | | | |
| | Lump-Sum (Explain as necessary) | | | |
| | Unit basis (Describe unit[s]) Labor Only for the following units: BD, BFC, BM, PM, UFC, XX, 4" duct, including bends and sweeps and manhole, including frame and cover. | | | |
| | NO PAYMENT SHALL BE DUE UNDER THIS AGREEMENT WHILE THE CONTRACTOR IS IN DEFAULT OF ANY PROVISION HEREOF. | | | |
| 7. | The maximum amount of this Contract shall be \$\frac{70,000.00}{ | | | |
| A 10% retainage will be held until final inspection and cleanup are satisfactory to the Owner. | | | | |
| | Invoices are to be submitted to: Michael S. Freeman C/o Communications Engineers, Inc. 3015 Stanton Ave. Springfield, IL 62703 | | | |
| AG | DULY EXECUTED FORM 743NRUS, CERTIFICATE OF CONTRACTOR AND INDEMNITY REEMENT, SHALL ACCOMPANY THE FINAL INVOICE. (A COPY IS ATTACHED AND TO BE MOVED FROM CONTRACT AND RETAINED FOR SUBMISSION WITH FINAL INVOICE.) | | | |
| 8. | The Contractor shall begin performance of this Contract no later than <u>April 2, 2001</u> and shall complete performance no later than <u>April 27, 2001</u> which totals <u>20</u> constructions days excluding Saturdays, Sundays, holidays and automatic time extensions for bad weather days. | | | |
| 9. | A time extension will be granted for delays beyond the control of the contractor. The contractor must request the time extension in writing within two weeks of the event that causes the delay. | | | |
| 10. | Liquidated damages in the amount of <u>Five hundred dollars</u> (\$500.00) per day for time extending beyond the completion date, including approved time extensions, will be deducted from any moneys due the contractor for final payment. | | | |
| | | | | |

SECTION II - GENERAL PROVISIONS

- Notification of Injury or Damage: The Contractor shall promptly notify the Owner of any injury, death, loss
 or damage to persons, s, or property which is in any way related to the work performed under this Contract,
 even though such occurrence was not caused or contributed to by the Contractor or the contractor's employees
 and agents.
- 2. Withholding Of Payments: The Owner may withhold money due for portions of the Project which have been rejected by the Owner and which have not been corrected by the Contractor to the satisfaction of the Owner. The Contractor shall pay each material supplier, if any, within five (5) days after receipt of any payment from the Owner, the amount thereof allowed on account of materials furnished by each material supplier. The Owner may withhold money due for claims, which might be the subject of reimbursement to the Owner by the Contractor. If the Owner is advised that the Contractor is not promptly paying material suppliers as set out above, or if the Owner is advised that employees of the Contractor are not being promptly paid, then the Owner may withhold such money due as the Owner deems sufficient to insure the obligations incurred by the Contractor in connection with the work covered by this Contract will be paid in full.
- 3. Changes in Project: The Owner may make changes in the Project by altering, adding to or deducting from the Project No change in the Contract price shall be made for minor changes not involving extra cost. All adjustments in the Contract price by reason of any other change shall be agreed to by the parties prior to commencement of the actual work in connection with such change.
- 4. <u>Standards of Work:</u> All work performed under this Contract shall conform to applicable current Rural Utilities Service (hereinafter called "RUS") standards and specifications. (See Attachment B, Attachment F and Specific construction drawings included in Attachment H.)
 - The Contractor shall furnish and be responsible for all supervision; labor, tools, equipment, power, transportation, material, and supplies required to perform the work, except those items specifically listed which the owner will furnish. The Contractor shall pickup and transport such material and equipment from its place of storage to the job site as needed. The Contractor shall transport and return to a place of storage designated by the Owner unused material and equipment belonging to the Owner.
- 5 Provisions of Materials: In the performance of this Contract there shall be used only such unmanufactured articles, materials and supplies as have been specified by the owner (See Attachment D) or are listed in the current RUS Publication 344-2 List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers. The Contractor agrees to submit to the Owner such certificate or certificates, signed by the Contractor with respect to compliance with the foregoing provisions as requested by the owner.

The Contractor shall purchase materials and supplies outright and not subject to any conditional sales agreement, bailment lease, or other agreement reserving to the seller any right, title or interest therein.

All guarantees of materials and workmanship running in favor of the Contractor shall be transferred to the Owner on completion of construction and at such time as the Contractor receives final payment.

The Contractor shall save harmless and indemnify the Owner from any and all claims, suits, and proceedings for the infringement of any patent or patents covering any materials or equipment provided by the Contractor used in construction of the Project.

It shall be the duty of the Contractor to inspect all materials used in the performance of the work, whether or not furnished by the Owner. The Contractor shall not use any defective material in the performance of work.

The Contractor shall reimburse the Owner or shall replace at no cost to the Owner any material or property destroyed, or lost, regardless of cause, in the performance of the Contract.

- 6. <u>Laws and Regulations</u>: The Contractor shall comply with all Federal, State, and Municipal Laws, ordinances and regulations and building and construction codes applicable to the performance of the work and give all notices that may be required. If the Contractor observes that the work to be performed is at variance with any law, ordinance, or regulation or building or construction code, he shall promptly notify the Owner. The Contractor shall follow the instructions of Government officials regarding maintenance of traffic and protection of the public. The Contractor shall obtain a copy of regulations or permit requirements of the appropriate Road authorities and make all employees aware of these regulations.
- 7. Environmental Protection: The Contractor shall perform work in such a manner as to maximize preservation of beauty and conservation of natural resources, and minimize marring and scarring of the landscape and silting of streams. The Contractor shall not deposit trash in streams or waterways, and shall not deposit herbicides or other chemicals or their containers in or near streams, waterways or pastures. The Contractor shall follow, under the general direction of the Owner, the criteria relating to environmental protection as specified herein by the Owner.
- 8. Inspection of Work: The Owner may maintain inspectors at the job site, and to further assure compliance with the plans and specifications and maintain quality of construction, may, after reasonable notice to the Contractor, perform from time to time operational tests on the Project of a portion or portions thereof selected by the Owner. However, such inspectors or other employees or agents of the Owner shall not have authority to direct or advise the Contractor or his employees and agents concerning the method or manner by which the work is to be performed. The Contractor has sole authority, responsibility, and control over the method and manner by which the work is to be performed and shall remain in all respects an independent contractor.
- 9. Service Pipes and Underground Structures: The Contractor at the Contractor's expense shall locate any pipes, conduits or other underground structures or obstructions, including telephone facilities, which are in the way of the construction, whether or not any work plans omit to show or purport to show their locations. All such property damaged in the course of the work shall be repaired by the Contractor in a manner satisfactory to the Owner. The contractor shall utilize the services of the state locator service if it is available.
- 10. <u>Duty Of Safe Performance</u>: The Contractor shall at all times take all reasonable precautions to protect all persons and property, including property of the Owner from injury arising out of the performance of the work. The Contractor shall make such inspections, safety checks, and tests, and shall provide such equipment, personnel, and supervision as is necessary to insure the safe performance of the work.
- 11. <u>Defects in Work:</u> The Contractor shall correct at its expense all defects and deficiencies in the work which result from labor or material furnished by the Contractor, workmanship, or failure to follow plans, drawings, or other specifications made a part of this Contract which are discovered within one (1) year from the date the work is accepted. Acceptance of the work by the Owner shall not constitute a waiver or any such defects of deficiencies. The Owner shall notify the Contractor in writing of any defects and deficiencies and if the Contractor has failed to remedy or make arrangements satisfactory to the Owner to remedy such defects and deficiencies within twenty (20) days thereafter, the Owner may remedy such defects and deficiencies and the Contractor shall pay the Owner the cost of making such corrections.
- 12. Completion on Contractor's Default: If default shall be made by the Contractor in the performance of any of the terms of this Contract, the Owner, without in any manner limiting its legal and equitable remedies in the circumstances, may serve upon the Contractor a written notice requiring the Contractor to cause such default to be corrected forthwith. Unless within twenty (20) days after the service of such notice upon the Contractor such defaults shall be corrected or arrangements for the correction thereof satisfactory to the Owner shall be made by the Contractor, ft Owner may take over the construction of the Project and prosecute the same to completion by contract or otherwise for the account and at the expense of the Contractor, and the Contractor.

shall be liable to the Owner for any cost or expense in the excess of the Contract price occasioned thereby, In such event the Owner may take possession of and utilize, in completing the construction of the Project, any materials, tools, supplies, equipment, appliances, and plant belonging to the Contractor which may be situated at the site on the Project. The Owner in such contingency may exercise any nights, claims, or demands which the Contractor may have against third persons in connection with this Contract and for such purpose the Contractor does hereby assign, transfer, and set over unto the Owner all such rights, claims, and demands.

- 13. Indemnification: The Contractor agrees to indemnify and hold harmless the Owner from any and all claims, actions, or causes of action to the extent the claimed loss or damage arises out of the Contractor's negligent performance or nonperformance of work herein contracted to be done whether such claims, actions, or causes of action are alleged to be the results of any act or omission of the Contractor, agents, servants, employees, or any or all of them and regardless of the fact that the work may have been completed and accepted by the Owner and regardless of the fact the Contractor may have received payment for work. The Owner shall promptly notify the Contractor in writing of any such claims, actions, or causes of action and give the Contractor full opportunity and authority to assume the sole defense and settlement thereof. The Owner shall furnish to the Contractor upon request all information available to the Owner for defense against any claim, action, or cause of action. The Contractor's liability under this indemnity shall not exceed the value of the Contract except for those claims involving personal injury or tangible property damage.
- 14. Miscellaneous: The Contractor has made a careful examination of the site of the Project and conditions, which may affect work under this Contract.

The Contractor will build the outside plant facilities under the Contract on right-of-Way provided by the Owner including, where directed by the Owner, right-of-Way presently occupied by existing facilities of the Owner. The Contractor will use no explosive in the performance of work under this Contract without the prior written approval of the Owner. All permits necessary for the handling or use of dynamite or other explosives in connection with construction of the Project shall be obtained by and at the expense of the Contractor.

Except as otherwise agreed to the by the Owner, all work shall be performed without interruption to or interference with existing telephone service,

The Contractor shall not assign this contract or any part thereof, or enter into any contract with any person, firm or corporation for performance of the Contractor's obligations hereunder, or any part on such obligations.

Note: The penalty for making false statements in offers is prescribed in 10 U.S.C. 1001.

SECTION III - INSURANCE AND BONDS

During the Contractor's performance hereunder, the Contractor shall take out and maintain fully paid insurance and bonds as follows:

INSURANCE REQUIREMENTS

- (a) Workers' compensation and employer liability insurance, as required by law, covering all their employees whom perform any of the obligations of the contractor under the contract. If any employer or employee is not subject to the workers' compensation laws of the governing state, then insurance shall be obtained voluntarily to extend to the employer and employee coverage to the same extent as though the employer or employee were subject to the workers' compensation laws.
- (b) Public liability insurance covering all operations under the, contract shall have limits for bodily injury or death of not less than \$1 million each occurrence, limits for property damage of not less than \$1 million each occurrence, and \$1 million aggregate for accidents during the policy period. A single limit of \$1 million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.
- (c) Automobile liability insurance on all motor vehicles used in connection with the contract, whether owned, nonowned, or hired, shall have limits for bodily injury or death of not less than \$1 million per person and \$1 million per occurrence, and property damage limits of \$1 million for each occurrence. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.
- (d) Owners and Contractors Protective Liability Insurance.

The Owner may at any time require public liability insurance and property damage liability insurance greater than the above. In any such event, the additional premium payable solely as the result of such additional insurance shall be added to the contract price.

Where the performance of the work involves "structural property, underground property," or blasting," the Contractor's comprehensive general liability insurance policy shall provide coverage to the insured for legal liability arising from operations under this contract for property damage (1) arising out of blasting, (2) arising out of collapse of or structural injury to any building or structure, or (3) to underground facilities and utilities.

BOND REQUIREMENTS

Construction contracts for facilities in amounts in excess of \$100,000 shall require contractors to secure a contractors' bond in a penal sum of not less than the contract price, which is the sum of all labor and materials including owner-furnished materials installed for the project. On line extension contracts under which work will be done in sections and no section will exceed a total cost of \$ 100,000, the borrower may waive the requirement for a contractors' bond.

| | 04/17/01 15:46 FAX | 6184882123 | | | Gary Smith | 124 T T |
|------|---|--|---------------------------------|---|---|--|
| * | ACORD CERTI | FICATE OF LIAE | III ITY IK | RURAN | (Forto xz | DATE (MM/DD/YY) |
| 1. | | | | | | 02/19/01 |
| PRO | DUCER | | | | D AS A MATTER OF | |
| | ught-Naught / Jeffers | top cith | | | GHTS LIPON THE CEI E DOES NOT AMEND. | |
| | 41 Christy Drive | | ALTER TH | COVERAGE AFI | FORDED BY THE POL | CIES BELOW |
| | 0 Box 1768 Egerson City MO 65102 | • | | | | <u> </u> |
| 竹鱼 | Eraraon CICA am 42707 | | | COMPANIES | AFFORDING COVER | ALE. |
| | | | COMPANY | Games and 3 1 | Walam Tagaman | |
| Pho | MAD. 573-534-2727 FM | va 573-634-7762 | ^ | CONCENTRAL | Union Insurance | :e ÇG. |
| ΪΑΞΓ | REP | - | COMPANY | | | |
| ł | | | В | American En | ployers' Insur | radd e |
| | | | COMPANY | | | |
| | Utility Contractin | a Co. | | | | |
| | 5000 Business Ray | | COMPANY | | | |
| | Jefferson City NO | | D | | (g) | |
| L., | | | and the first terms. | 1000 | and the second second | er of the specific and the specific periods and the specific periods are specifically as the specific periods and the specific periods are specifically as the specific period periods are specifically as the specific periods are specifically as the specific periods are specifically as the specific period period period periods are specifically as the specific period period period periods are specifically as the specific period |
| CO | VERADES | Barakan in itu, Palabiana | | | (x, x', y') = xx' | |
| ľ | THIS IS TO CONTINUE THAT THE PICK ICES! | TE DISLIBANCE LISTED RELEIW MAVE BEEN IS | SUIED TO THE MAUNE | NAMED ABOVE FOR T | INE POLICY PERIOD | |
| | INDICATED, POTWITHETANDING ANY REC | NURSEMENT, TERM OR CONDITION OF ANY CO | NUMBER OF STREET OF | KORUENI WILI KEEPE | ALL THE TEXTORS | |
| | CENTRACHE AND COMPUTATIONS OF BLACH | RTAIN, THE INSURANCE AFFORDED BY THE P POLICIES, LINITE BHOWN MAY HAVE SEEN R | CONCED BY MAID CLASS | EPGEN (10 8018) (10 11 11 11 11 11 11 11 11 11 11 11 11 1 | ver file textest | |
| | Exercises also control living or south | Total salaries of the salaries | 1 | 1 | <u> </u> | |
| 躁 | TYPE OF HISLERANCE | POLICY HUMBER | POLICY STRECTIVE | POLICY EXPRATION DATE (MINIDDAYY) | بن ا | IT S |
| | | | | -10-10-00-00-00-00-00-00-00-00-00-00-00- | | |
| | GENERAL MABILITY | | i |] | GENERAL AGGREGATE | 32,000,000 |
| A | X COMMERCIAL DENERAL LIABILITY | CTR614494 | 04/01/00 | 04/01/01 | PRODUCTS - COMPIOP AG | 0 12,000,000 |
| | CLAMS MADE X OCCUR | | | | PERSONAL & ADV BUILDRY | 11,000,000 |
| | OWNERS & CONTRACTOR'S PROT | | i | ! | BACH OCCUPRENCE | \$1,000,000 |
| | | | |] | FIRE DAMAGE (Any pite fire | |
| | | | 1 | ļ | MIED EXP (Any one pareon) | 1 \$ 5,000 |
| | | | | | MET STA. (talk) deat be (article) | 143,000 |
| λ | X ANY AUTO | OTAS45640 | 04/01/00 | 04/01/01 | COMBINED SINGLE LIMIT | 11,000,000 |
| • | ALL OWNED AUTOR | | | | SOOKY INTERY | £ |
| | SCHEDILLED AUTOS | | | Ĭ | | |
| | X HISEP ALTOS | | | İ | BOOKLY INJURY | |
| | X NON-OWNED AUTOS | | | | (Par eccident) | |
| | | | - | } | | |
| | | | 1 | | PROPERTY DAMAGE | • |
| | GARAGE LIABILITY | | | | AUTO ONLY - EA ACCIDEN | T ! 4 |
| | ANY AUTO | | | | OTHER THAN AUTO GHLY: | |
| | | | 1 | į | EACH ACCIDEN | |
| | | | | ! | | |
| | | | | · · · · · · · · · · · · · · · · · · · | AGGREGAT | |
| | EXCESS LIMINUTY | | i | <u> </u> | BACH DOCUMENCE | 12,000,000 |
| A | X UMBRELLA FORM | CU30091372 | 04/02/00 | 04/01/01 | AGDREGATE | \$2,000,000 |
| | OTHER THAN UMBRELLA FORM | | [| | L | 1 |
| | WORKERS COMPENSATION AND | | | | (32/Cht.) | |
| | EMPLOYERS CLASSITY | | İ | l | EL EACH ACCIDENT | . 500,000 |
| _ | THE PROPRIETORY | ATE207067 | 04/01/00 | 04/01/01 | EL DISEASE - POLICY LIMIT | |
| В | PARTHERS/EXECUTIVE | ATAZO/DB/ | 26,01,00 | 04/04/04 | EL DISEAGE - EA BARLOYE | |
| | OFFICERS ARE: EXCL | | | | EL OIDENGE - EN EMPLOYE | 2 1 3 3 0 7 0 0 0 |
| | i CTARR | | Į | ! | ì | |
| | | | j | | | |
| | | | İ | ļ | | |
| | } | | } | Į | <u>L</u> | |
| OC. | DRIPTION OF OPERATIONAL DOATIONS | HICLES/SPECIAL TIENS | | | | |
| • | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | , |
| CE | TIFICATE HOLDER | | CANCELLAT | PNAME OF A | | |
| | | AT.WAND | SHOULD AN | OF THE ABOVE DESC | rrend policies se cancel | LED NEPONE THE |
| | | | | date thereof, the i | SÉUTRG COMPANY WILL EN; | DEAVOR TO MAIL |
| | | | 30 PMY | S WRITTEN NOTICE TO | THE CERTIFICATE HOLDER | HANED TO THE LEFT. |
| | | | | | E SHALL PLPOSE NO OFLIS | |
| | Alhambre-Grand | Pork Telephone | 1 | | The agents on Perfects. | |
| | | A- | AUTHORIZED PR | | · · · · · · · · · · · · · · · · · · · | |
| | Alhembra II 620 | 01 | 40 | A | Dry L. | |
| | | | the second | المر معم | VIOLENT | |
| AU | QRD:25-5 (1/95) | | | 33 (% 5 14) | ACCRO | CORPORATION 1988 |

I have read, understand, and agree to all portions of this Contact.

| | Utility Contracting Company (Contractor) | ş. |
|--|---|---------|
| Darry Z | Utility Contracting Company (Contractor) (Harry Garrison) | |
| The state of the s | (Harry Garrison) | |
| | | 2/19/01 |
| ne <u>Liesident</u> | Date | / |
| rue <u>Fresident</u> | Date | |
| rue <u>Fresident</u> | | • |
| rue <u>Fresident</u> | Alhambra-Grantfork Telephone Compar | • |
| | Alhambra-Grantfork Telephone Compar | • |
| itle <u>President</u> by <u>Claim</u> | Alhambra-Grantfork Telephone Compar | • |

4

÷

LIST OF ATTACHMENTS

- A. Project Description
- **B.** Contract Specifications
- C. Owner Furnished Materials
- D. Owner Specified Materials to be Furnished by the Contractor
- E. Summary of Construction Units
- F. Bidder Instruction Modifications
- G. Special Rearrangement Units
- H. Special Assembly Unit Drawings and Guide Drawings
- I. List of Owner's Material on Hand (including quantities and pricing)
- J. Schedule of Acceptance Tests and Measurements
- K. Construction Drawings

ATTACHMENT A

PROJECT DESCRIPTION

This construction project consists of the following outside plant activity:

Construction of various buried copper paired cables, manhole and conduit placement, and a 1½" innerduct by the directional boring and/or plowing method. Six separate 4" ducts are to be placed at the Central Office by core drilling for placement of the innerduct and copper cable.

All boring depths will conform to the placement depth of 36" plus 12" for all road surfaces, driveways, creeks, etc.

The section of 4" duct to be placed is to appear in the bottom of all pedestals and sealed.

The Owner will be responsible for all of the pedestal stenciling, splicing and testing of the buried cables, either by their own forces or under separate contract. Any sheath faults or deficiencies in material or workmanship found during the splicing operation will be the responsibility of the Contractor that provided construction under this contract to remedy.

The Owner and/or his representative shall inspect and/or observe the following:

- 1) Trenches before back filling.
- 2) All cable damage before repair.

Any cable damaged by the Contractor shall be replaced, at his expense, within 5 working days unless the Owner approves additional delay.

All Public and Private Right-of-Ways are to be considered "Reduced and Restricted Construction Corridor". Cables placed on State Right-of-Way are required to be within eight (8) feet of the Right-of-Way line and in accordance with the appropriate State Highway Permits.

The Owner has obtained State Highway permits. Construction must conform to any of the easement requirements mentioned.

Foreign utilities, such as water, gas, electric, sewer, and telephone cables are not shown on all construction sheets and will be the responsibility of the Contractor to arrange to have located.

CONTRACT SPECIFICATIONS

The construction to be performed under this contract is not to be financed with RUS funds.

| | unit descriptions and construction procedures are to conform to RUS specification and specification darks for the convenience of the owner. | ns and |
|-----|---|--------------|
| The | following RUS specifications and drawings will become a part of this contract by | reference: |
| ØI | RUS Form 515a - Specifications and Drawings for Construction of Direct Buried Bulletin 345-150) | Plant. (RUS |
| × | Dated: <u>5-89</u> RUS Form 515c - Specifications and Drawings for Conduit and Manhole Constru Bulletin 345-151) | action. (RUS |
| | Dated: 5-89 | ¢'a |
| × | RUS Form 515d - Specifications and Drawings for Underground Cable Installation Bulletin 345-152) | on. (RUS |
| | Dated: _5-89 | |
| | RUS Form 515f - Specifications and Drawings for Construction of Pole Line and Cables. (RUS Bulletin 345-153) | Aerial |
| | Dated: | |
| | RUS Form 515g - Specifications and Drawings for Service Entrance and Station Installations. (RUS Bulletin 345-154) | Protector |
| | Dated: | |
| The | following RUS Standards are applicable: (Engineer to insert date) | |
| | PC - 2 Dated: <u>2-95</u> PC - 4 Dated: PC - 5a Dated: | 4 |

4

ATTACHMENT C

OWNER FURNISHED MATERIALS

The owner will furnish all of the following items:

- 1) Copper Cable
- 2) Pedestals (including stakes and pole mount kits)
- 3) Ground Rods (including rod clamps (BM2) and split bolt connectors (BM2A))
- 4) Ground Wire Connectors (pedestal mount ALP 387)
- 5) Ground Wire (bare and insulated)
- 6) 1 1/2" Innerduct with pull ropes
- 7) Innerduct couplers
- 8) 4" Duct with sweeps and bends
- 9) Type J Manhole, including frame and cover

Ŷ.

The owner will furnish a list of local contractors or suppliers of the following:

- 1) Asphalt
- 2) Gravel
- 3) Water
- 4) Contacts for disposal of dirt and rock

ATTACHMENT D

CONTRACTOR FURNISHED MATERIAL (NOT APPLICABLE FOR THIS CONTRACT)

3

DISK: MSFZHARD FILE: AttachmentE DATE: 01/18/01

ALHAMBRA-GRANTFORK TELEPHONE COMPANY ATTACHMENT E SOUTH RURAL CONSTRUCTION OSP CONTRACT NUMBER: 2003-01-G

| ASSEMBLY UNIT | QUANTITY | | UNIT | PRICE | | EXTENDED PRICE |
|-------------------------|----------|----------|----------|----------------|-------------------|-----------------------|
| DESCRIPTION | OF UNITS | LABOR | MATERIAL | TOTAL LABOR | TOTAL MATERIAL | LABOR AND MATERIAL |
| UFC 400-22 | 60 | 2.00 | - | 2.00 | - | 120.00 |
| UFC 400-22+(1.5" I.D.)D | 390 | 2.50 | - | 2.50 | - | 975,00 |
| BFC 400-22+(1.5" I.D.)D | 1,140 | 12.00 | - | 12.00 | - | 13,680.00 |
| BFC 300-22+(1.5* I.D.)D | 3,120 | 2.00 | - | 2.00 | - | 6,240.00 |
| BFC 300-22 | 5,322 | 1.00 | - | 1.00 | - | 5,322.00 |
| BFC 200-22 | 3,680 | 1.00 | - 1 | 1.00 | _ | 3,680.00 |
| BD4C | 16 | 70.00 | - | 70.00 | - | 1,120.00 |
| BD7C | 3 | 120.00 | | 120.00 | | 360.00 |
| BM2 | 19 | 15.00 | | 15.00 | | 285.00 |
| BM61 | 170 | 9.00 | | 9.00 | | 1,530.00 |
| BM62 | 2,730 | 10.00 | | 10.00 | | 27,300.00 |
| PM21 | 1 | 3,000.00 | | 3,000.00 | | 3,000.00 |
| XXBD | 6 | 20.00 | | 20.00 | | 120.00 |
| 1-4" DUCT | 430 | 6.00 | | 6.00 | | 2,580.00 |
| 2-4" DUCT | 15 | 10.00 | | 10.00 | | 150.00 |
| 4-4" DUCT | 90 | 10.00 | | 10.00 | | 900.00 |
| BEND 4" | 6 | 20.00 | | 20.00 | | 120.00 |
| SWEEP 4" | 9 | 10.00 | | 10.00 | | 90.00 |
| 30" FRAME/COVER | · 1 | 250.00 | | 250.00 | | 250.00 |
| TYPE J 4'X8'X6' MH | 1 | 1,500.00 | | 1,500.00 | | 1,500.00 |
| | | | | | | |
| | | | | | | |
| TATAT | CONTRACT | PRICE | | | | 69,322.00 |

ATTACHMENT F
Page 1 of 1

BIDDER INSTRUCTION MODIFICATIONS

The following changes are applicable to the standard Form 515A:

On Page 4, change the BFC unit descriptions as follows:

Consists of one (1) foot of buried cable in place

On Page 6 and 8, add the following to the BFC description, Paragraph A (3):

Note 3: Wire fences shall be repaired by means of suitable compression sleeves.

Note 4: Mailboxes and road signs shall be removed and reset to maintain continuous straight line plowing.

On Page 10, change the following BM description:

BM2 (5/8)(8) - Consists of the necessary labor and material for the installation of a 5/8" X 8' ground rod, ground rod clamp, and the required length of a bare #6 AWG copper ground wire (placed at a depth of 12 inches) and connected to an auxiliary grounding connector, (ALP387), within the housing.

On Page 11, change the following BM descriptions:

BM2A - Consists of the necessary labor and material for the installation of the required length of a bare #6 AWG copper ground wire attached from the grounding connector of a buried plant housing to a vertical pole ground located on a power pole no more than 6 feet from the buried plant housing. This unit also includes the connection of the ground wire within the buried plant housing to the grounding connector and the connection of the ground wire to the vertical pole ground with a grounding connector, compression type. Where the housing is not attached to the power pole, the ground wire shall be buried to a depth of 12 inches.

On Page 12, add the following to the BM61 description:

The depth of the hole below the surface of the ground shall be limited to a depth of eight (8) feet or less, except where shown otherwise on the construction drawings.

On Page 12, add the following to the BM62 description:

BM62 - <u>Underground Non-Pipe Crossing Assembly Unit</u> - Consists of the labor to provide a hole in soil one (1) foot in length by the directional bore method only, not to exceed 3 inches in diameter, for accommodating cables therein. Contractor to be compensated for cable(s) under their appropriate assembly unit designations.

220

ATTACHMENT G

(NOT APPLICABLE FOR THIS CONTRACT)

ź

2

ATTACHMENT H

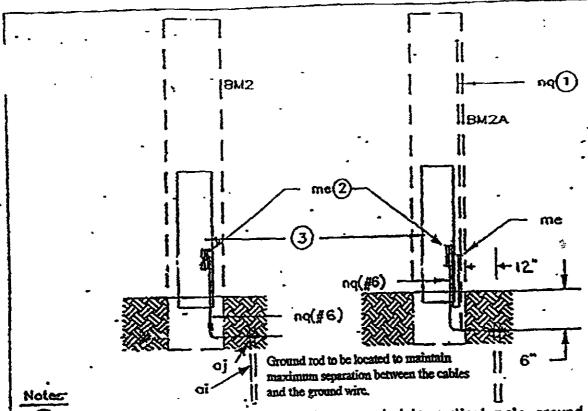
*

LIST OF SPECIAL ASSEMBLY UNIT DRAWINGS AND SPECIAL GUIDE DRAWINGS

(NOTE: Engineer will indicate by listing below the special assembly unit drawings and special guide drawings which have been prepared. These drawings are considered to be a part of this Contract.)

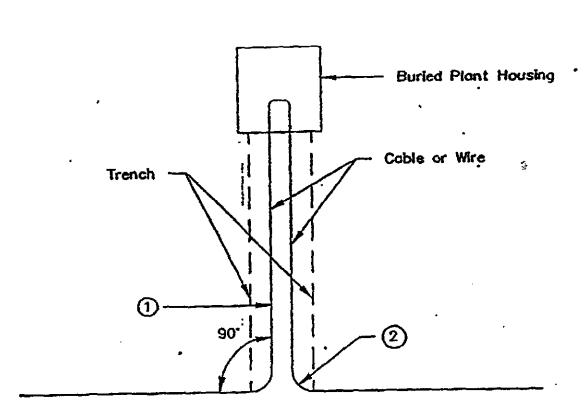
| <u>Drawing</u> | Page | | |
|----------------|------------|--|--|
| BM2-BM2A | H 1 | | |
| 902-A | H2 | | |
| 910 | H3 | | |
| 975 | H4 | | |
| 976 | H5 | | |
| 991 | H6 | | |

•



- 1. A bare #6 AWG ground wire shall be connected to vertical pole ground wire of multigrounded power system neutral or pole ground assembly (PM2). If a multigrounded power system neutral is present on the pole but there is no vertical pole ground wire, sufficient length of #6 AWG copper ground wire shall be left coiled and taped to permit it to be extended up the pole and connected to the multigrounded neutral by a representative of the power company.
- 2) The use of an ouxiliary grounding connector, when required, shall be field installed within the housing in accordance with the housing impulsaturer's instructions.
- 3) The bonding bracket shall be installed in accordance with the housing manufacturer's instructions.

| 2 | • | | • | | | |
|--|--------------------------------------|----------|------|--------------|---------|----------|
| HEM | MATERIAL | REQ'D | MGTI | MATERI | NL. | REQ'0 |
| •nq | Wire, ground, bare #6 AWG | os tod q | *UG: | Wire, ground | i, bare | os (eq d |
| | tinned copper . | | | #6 AWG | | |
| OÎ. | Rod, gropad (size & length as regid) | .1 | | | | |
| me | Connector, ground | 2 | | | | |
| aj | ij . Clamp, ground rod | | | | | ٠ |
| RURAL TELEPHONE CONSTRUCTION PRACTICES GROUND WIRE ASSEMBLY, BURIED PLANT. | | | | | | |
| | Scole: NTS . January | | | 1988 | | |
| ļ | | | - | | 8M2 - | BM2A |

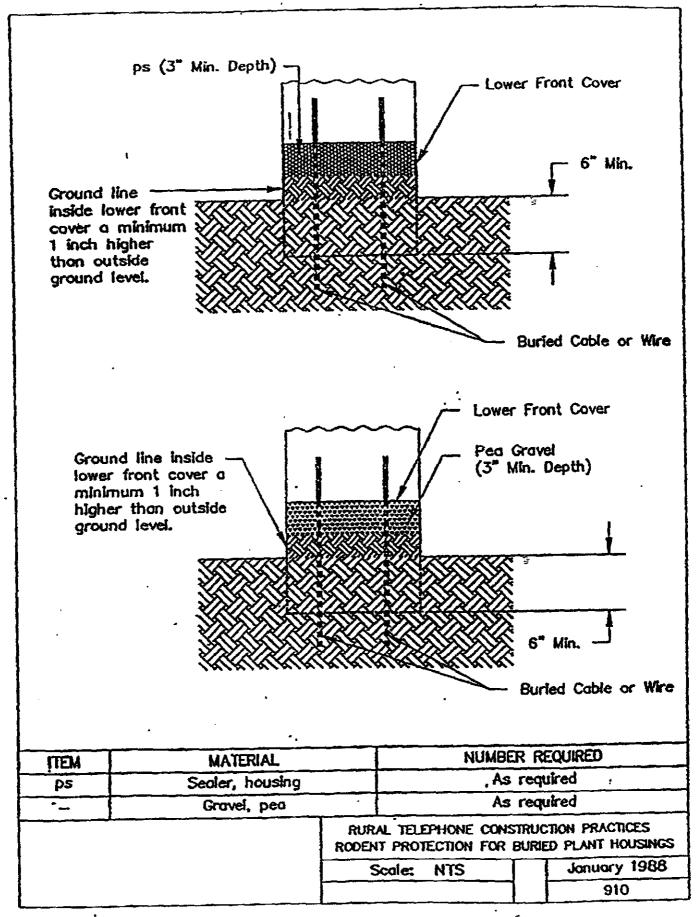


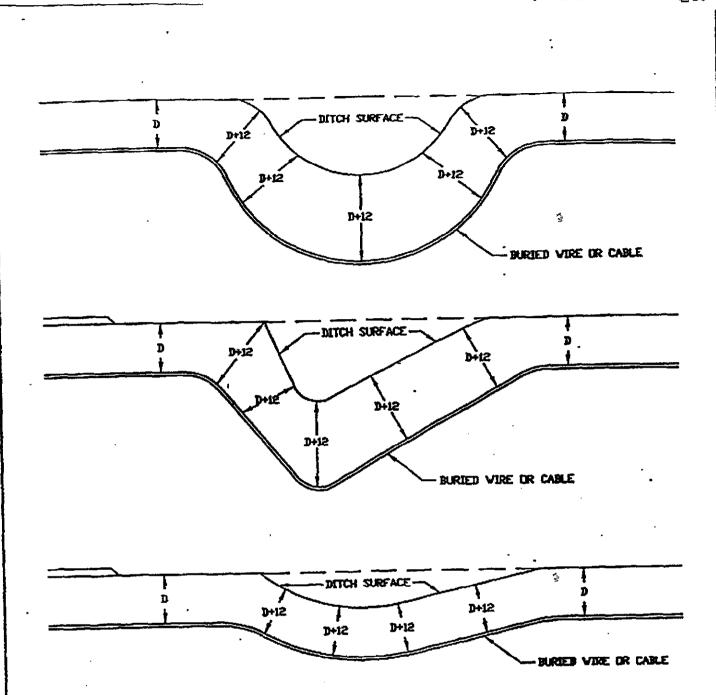
Notes:

- 1.) The in and out laterals to the buried plant housings shall be located in the same trench.
- 2. The radius of bend of the cable or wire shall not be less than 10 times the diameter of the cable or wire.

| RURAL TELEPHONE CONSTRUCTION PRACTICES LATERAL RUNS TO BURIED PLANT HOUSINGS | | | | | |
|--|----------------|--|--|--|--|
| Scale: NTS | September 1982 | | | | |
| | 902-A | | | | |

.: .





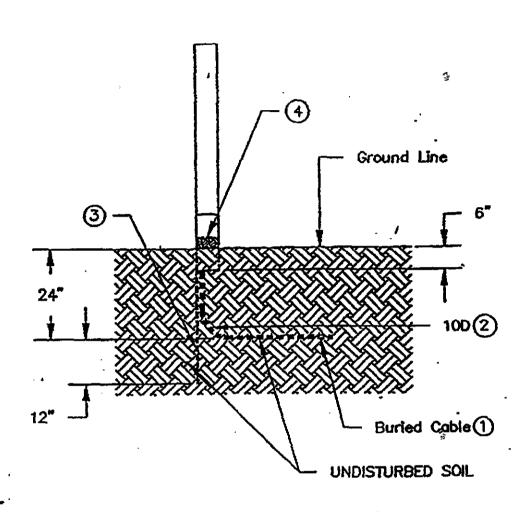
Note: Buried wire and/or cable shall be placed as shown above.

D = Specified cable depth for any cable per contract.
D+12 = Depth required to cross ditches for any cable per contract.

BURIED PLANT UNDER DITCHES

SCALE: NTS JANUARY 1985
DISK FILEHEDBOOKHWYCHOST DICHCROS 975

.



Notes:

•••

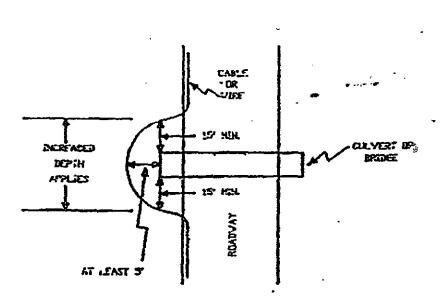
- (1.) Place cable on undisturbed soil at bottom of trench.
- 2) The radius of bend of the cable at the base of the housing should not be less than 10 times the diameter of the cable and wire.
- 3) The stake of the housing shall be driven into undisturbed soil to a depth of approximately 12 inches.
- The ground level inside the ground line cover plate should not be less than 1—inch above the outside ground level.

RURAL TELEPHONE CONSTRUCTION PRACTICES
HOUSING INSTALLATION DETAILS

Scale: NTS January 1988

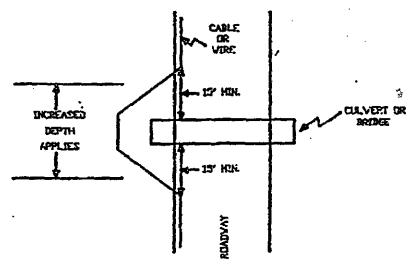
976

.



Method 11: PIRST CHOICE TO BE USED WHEN OBSTRUCTIONS AND TERRAIN CONDITIONS PERMIT.

*If terrain conditions are suitable, the cable or wire may be plowed around the culvert to a minimum depth of . If plowing to a depth of is not practicable, the cable or wire shall be trenched in place to a minimum depth of



Method #2: SECOND CHOICE TO BE USED WHEN METROD #1 IS NOT PEASIBLE.

*The cable or wire located within 15 feet of the culvert shall be placed to a minimum depth of . There is no requirement for separation between the cable or wire and the end of the culvert or bridge.

This drawing is intended to show the method of placing plant around bridges or culverts.

RURAL TELEPHONE CONSTRUCTION PRACTICES
ROUTING BURIED PLANT AROUND CULVERTS

SCALE: NTS

May 11, 1988

991

uc

ATTACHMENT I

| NRUS | Form 798 LIST OF | OWNER'S MATERIA | LS ON HAN | D | <u> </u> |
|---------|----------------------------------|-------------------------|---------------|---------------|----------------|
| ITEM | DESCRIPTION OF MATERIAL | CATALOG NUMBER | QUANTITY | UNIT PRICE | EXTENDED PRICE |
| 1 | BD4C | UPCBD4G | 20 | | |
| 2 | BD7C | UPC8D7G | 5 | | |
| 3 | INNERDUCT | | 6,000' | | |
| 4 | INNERDUCT COUPLER | | 24 | | |
| 5 | INNERDUCT PLUGS | | 12 | | |
| 6 | GROUND RODS / MISC | 625813MX | 20 | | |
| 7 | GROUND WIRE | | 315' | | |
| 8 | BFC 200-22 | 200 PAIR COPPER | 4,000' | | |
| 9 | BFC 300-22 | 300 PAIR COPPER | 8,750′ | | , |
| 10 | BFC 400-22 | 400 PAIR COPPER | 1,750' | | |
| 11 | 4" DUCT (INCLUDING GLUE) | | 860' | | |
| 12 | 4", 90 DEGREE BEND (15') | | 10 | | |
| 13 | 4", 45 DEGREE BEND (9') | | 7 | | |
| 14 | 4" DUCT PLUGS | | 16 | | |
| 15 | MANHOLE | | 1 | | |
| 16 | FRAME AND COVER | | 1 | | |
| | | | | | |
| | | | | | |
| | | | | TOTAL | |
| | | | | ÷ | |
| ABOVE I | MATERIALS ARE LOCATED AT : ALHAM | BRA-GRANTFORK TELEPHONE | COMPANY, ALHA | WBRA, ILLINOI | s |

^{*}Item corresponds with item in list of materials in construction drawings.

ATTACHMENT J

SCHEDULE OF ACCEPTANCE TESTS AND MEASUREMENTS

| Description of | Те | Participants | | | | |
|-------------------------|-------------|--------------|--------------|----------|--|---------------|
| Test or Measurement | Subscriber | Loop Plant | Trunk Plant | Owner | Engineer | Contractor |
| | Dist. Pairs | Feeder Pairs | | | | i |
| | | and Fibers | | | | |
| Shield Continuity | X | <u> </u> | X | ₽ | | |
| Conductor Continuity | X* | X | X | P | | |
| Conductor Insulation | | | | _ | | |
| Resistance | X* | X | X | P | | <u> </u> |
| DC Loop Resistance | | | | | | <u> </u> |
| DC Loop Resistance | ł | | | | 1 | |
| Unbalance | | <u> </u> | | | | |
| VF Insertion Loss | | | | | ļ | |
| Line Noise | | | | | | ļ |
| Loop Measurements | 1 | | | | | |
| (Loop Checking) | | | | | | _ |
| Two-Man Structural | 1 | | | ļ | | |
| Return Loss | | | NA NA | ! | | ļ |
| One-Man Open Circuit | 1 | | | | | |
| Measurements | | | | | | |
| Loop and Station Tests | | | NA_ | ļ. —— | 9 | |
| Paystation Line Tests | | <u> </u> | NA_ | | | <u> </u> |
| Cable Insertion Loss at | | 1 | į | | , | |
| Carrier Frequencies | | | | | | |
| Shield Ground for | | ., | | P | 1 | |
| Single Jacketed Cables | X | X | X | P | | |
| Fiber-OTDR Test | <u> </u> | X | <u> </u> | <u> </u> | <u> </u> | - |
| C. O. Ground | | | | ,, | | |
| Measurement | <u></u> | | | P | <u> </u> | <u> </u> |

- X These are standard tests and measurements required on facilities as designated by the Engineer, constructed or installed under this contract.
- NA Not Applicable
 - * These test will not be required on distribution pairs not cross-connected to feeder pairs at time of acceptance testing.
 - P Indicates participation in conducting acceptance tests and measurements.



HARTFORD CONCRETE PRODUCTS, INC. "AN EMPLOYEE OWNED CORPORATION"

HEAD SECURITY BOLTS #1825

HOOK & WRENCH ASSEMBLY

FREIGHT CHARGE

1400 NORTH WABASH AVENUE - P.O. BOX 660 HARTFORD CITY, INDIANA 47348 PHONE: 765 348-3506 FAX: 765-348-3121 PAGE NO. SALED ORDER NO CANCELLATION DATE CUST. NO.

> 1 53142 5/6/01

ALH01

SALES ORDER

Alhambra-Grantfork Telephone

114 Wall Street

PO Box 207

TO-MI-26-101

PFC

Alhambra, IL 62001

AL WILKENING 618-488-2165

S Alhambra-Grantfork Telephone

Alhambra, IL 62001 FAX 618-488-2121

| ORDER DATE PURC | HASE ORDER NO. SH | IP VIA | | F.O.B. | | TERMS | 5 | |
|------------------------------|-----------------------------------|----------------------|---------------------|-----------|----------------|---------------------|-----------|-----|
| 02/05/2001 20 | 501A O | Our Truck | | | Pending Credit | | | |
| BUYER DATE REQUESTED | | LOCATION SALESPERSON | | TERRITORY | | | | |
| | 03/30/2001 WH | ise Phi | l Hall | | | Ill | inois | |
| ITEM NO. BIN LOCATION NO. | DESCRIPTION | N | QUANTITY ORDERED | | SHIPPED | UNIT PRICE | EXTENSION | TAX |
| CA-MH-10-092-T H/H 8X4X6 J | | 32 TERM | 1 | | | 1,562.00 | 1,562.00 | |
| HP-15!-20-541 | HARDWARE PRG FOR | 8x4x6 J | 1 | | | 185.00 | 185.00 | |
| P4196E | FRAME & COVER, TO 30", W/ PENT | ELEPHONE, | 1 | | | ₉ 475.00 | 475.00 | |

1

THIS IS NOT A DILL DO HOT DAY

FROM : UTILITY CONTRACTING CO

FAX NO. : 5736367540 '

ABT: 11 3281 AB 1861

48.50

1,200.00

48.50

1,200.00

SUBTOTAL

3,470.50

SALES ORDER NO. 53142

3,470.50

TOTAL ORDER VALUE

ORIGINAL

04/17/01 15:46 FAX 6184882123

Alhambra Tel.Co. --- Gary Smith

Ø 31

FROM : UTILITY CONTRACTING CO

FOX NO. : 5736367548

Apr. 11 2001 02:05PM P2

UTILITY CONTRACTING COMPANY

Jefferson City, Missouri 65109-0315 (573) 6116-8088

RID OUOTE Albambra Grantfork Telephone Co.

ioh Lovaigni. Granitork, IL

Joh Description. Splice Cable

HC-1 Fivi-21

3 2.00 ;900.00 \$10,200.00 300.00

\$17,100.00

Sign below if prote recepted and return original.

I think there may be Fewer than 5100

4-12-01